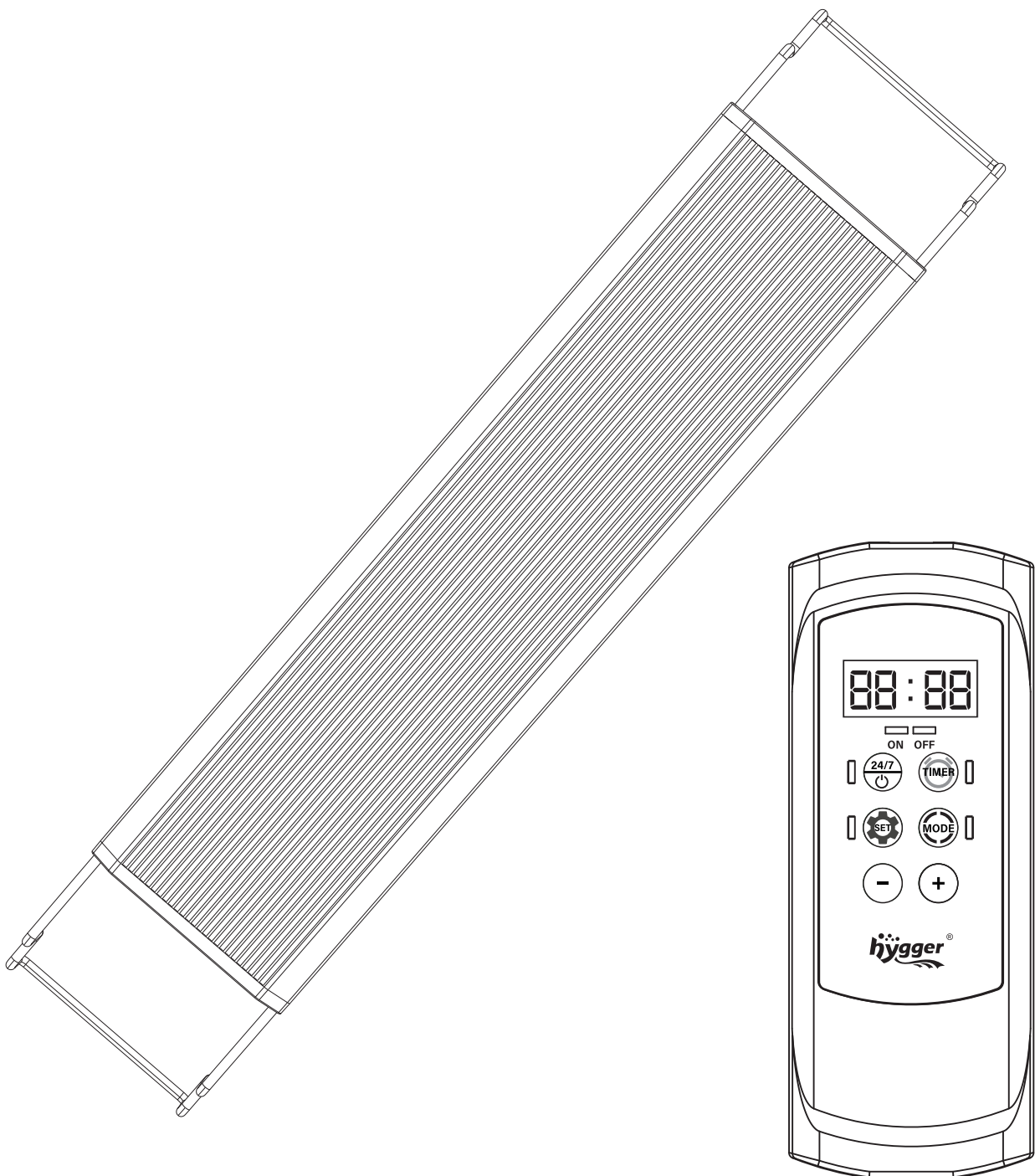




HG248 USER MANUAL

hygger NatureLite Aquarium Light



1.PRODUCT FEATURES

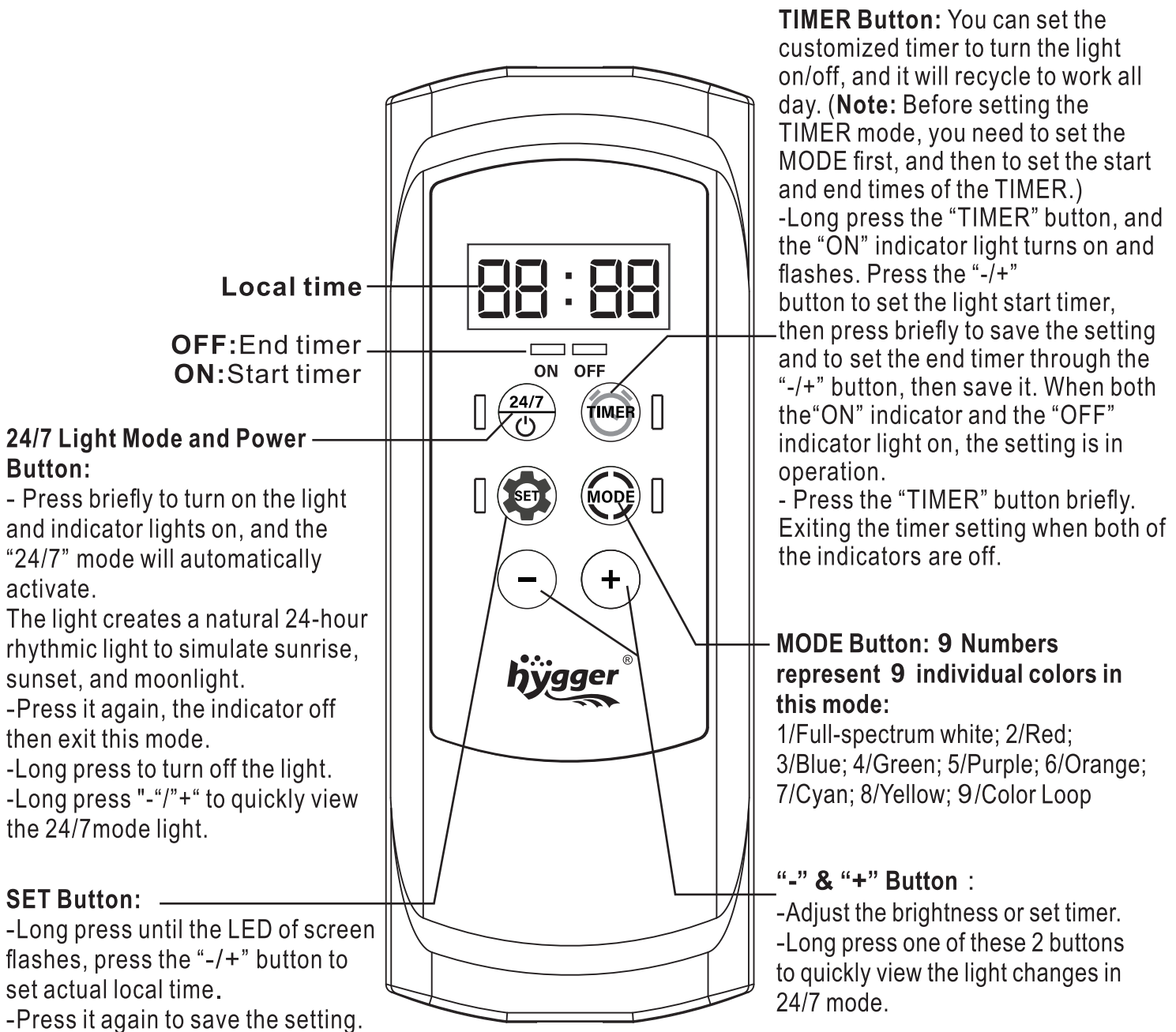
- High-efficiency and premium 5054/2835 LEDs provide powerful illumination.
- 24/7 Pre-programmed timer and customizable DIY timer.
- The adjustable mounting bracket is suitable for aquariums of different sizes.
- Full-spectrum lighting is ideal for plant and freshwater aquariums.

2.PRODUCT SPECIFICATIONS

MODEL	HG248-20W	HG248-26W	HG248-35W
INPUT VOLTAGE	AC 100-240V	AC 100-240V	AC 100-240V
OUTPUT VOLTAGE	DC 12V 2A	DC 12V 2A	DC24V 1.5A
LED QUANTITY	60 PCS White: 30 Red: 8 Green: 6 Blue: 4 RGB: 12	78 PCS White: 37 Red: 10 Green: 8 Blue: 5 RGB: 18	112 PCS White: 56 Red: 12 Green: 10 Blue: 6 RGB: 28
LIGHT SIZE (Without BRACKET)	10INCHES (25.5CM)	15.6INCHES (39.5CM)	21.5INCHES (54.5CM)
SUITABLE TANK SIZE	12-18 INCHES (30-45CM)	18-24 INCHES (45~60CM)	24-30INCHES (60-75CM)
POWER CORD	4.9ft+0.6ft+2.4ft (1.5m+0.19m+0.73m)	4.9ft+0.6ft+2.4ft (1.5m+0.19m+0.73m)	4.9ft+0.6ft+2.4ft (1.5m+0.19m+0.73m)

MODEL	HG248-40W	HG248-50W	HG248-60W
INPUT VOLTAGE	AC 100-240V	AC 100-240V	AC 100-240V
OUTPUT VOLTAGE	DC24V 2.5A	DC24V 2.5A	DC24V 2.5A
LED QUANTITY	140 PCS White: 76 Red: 14 Green: 14 Blue: 8 RGB: 28	182 PCS White: 91 Red: 19 Green: 19 Blue: 11 RGB: 42	252 PCS White: 127 Red: 27 Green: 27 Blue: 15 RGB: 56
LIGHT SIZE (Without BRACKET)	29.3 INCHES (74.5CM)	37.2 INCHES (94.5CM)	44.3 INCHES (112.5CM)
SUITABLE TANK SIZE	30-36 INCHES (75-90CM)	36-48 INCHES (90-120CM)	48-52 INCHES (120-132CM)
POWER CORD	4.9ft+0.6ft+2.4ft (1.5m+0.19m+0.73m)	4.9ft+0.6ft+2.4ft (1.5m+0.19m+0.73m)	4.9ft+0.6ft+2.4ft (1.5m+0.19m+0.73m)

3.METHOD OF APPLICATION CONTROLLER DIAGRAM

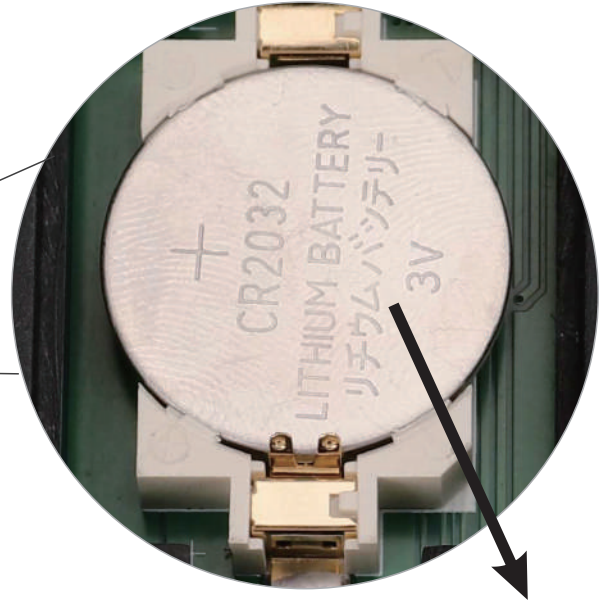
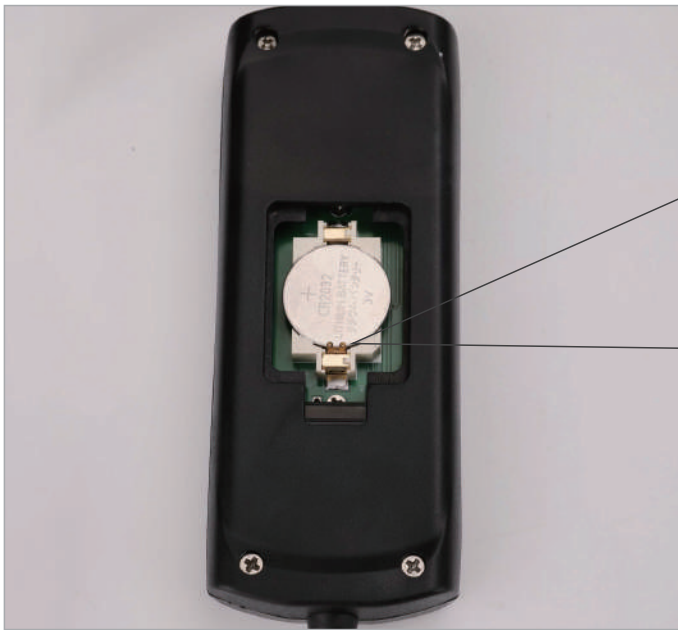


4. INSTRUCTIONS FOR USE

 **IMPORTANT REMINDER:**

1) PLEASE SET THE LOCAL TIME BEFORE YOUR FIRST USE.

2) WHEN INSTALLING THE BATTERIES, PLEASE ENSURE THAT THE LETTERS OF BATTERIES ARE FACING UPWARD.



The letters of battery are facing upward!

3) TO REMOVE THE BATTERIES, HOLD ON GENTLY AND PUSH THEM DOWNWARD SLIGHTLY BEFORE LIFTING THEM OUT.

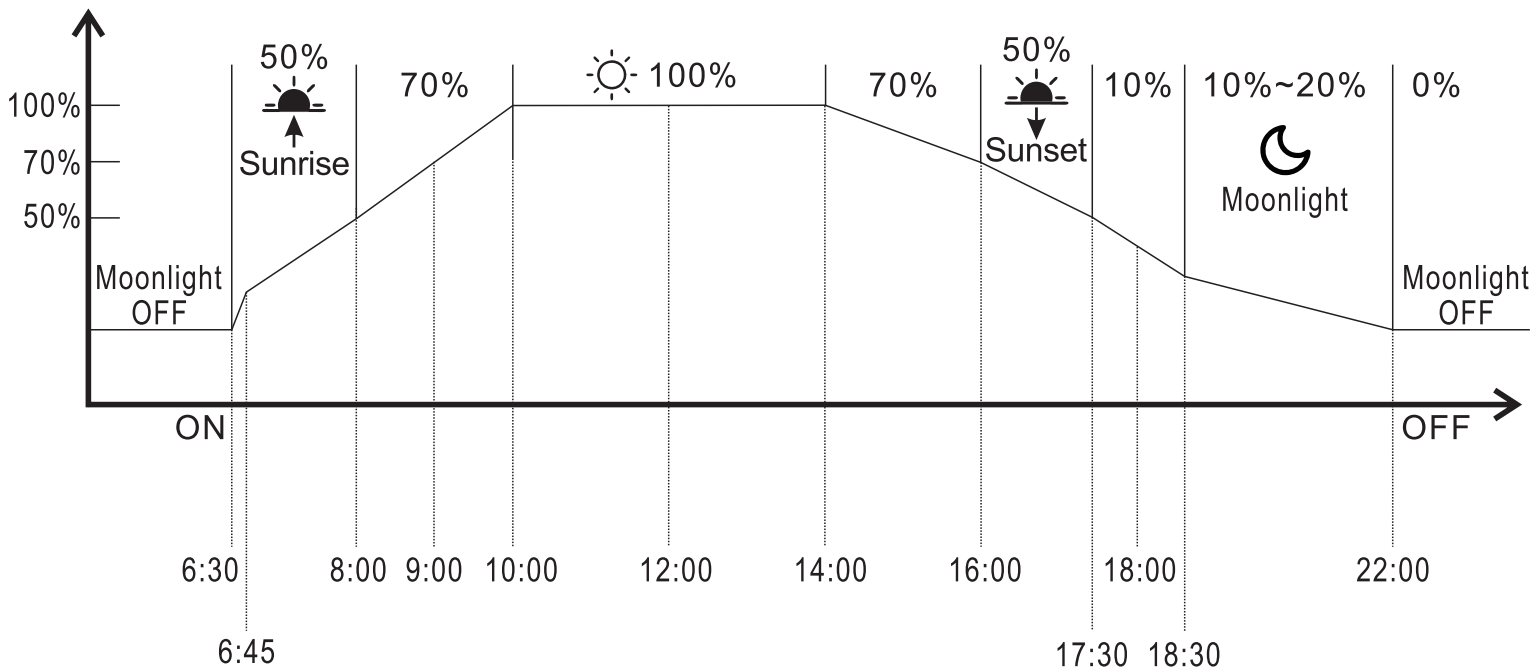


24/7 Light Mode and Power Button

Press briefly to turn on the light, long press to turn off the light.

When the light is on, the '24/7' mode will be activated simultaneously, the light runs from gradient yellow, full-spectrum white, and gradient yellow till the light is off. The default setting is as follows:

6:30-6:45	Orange light 3%, gradient 50% 15 minutes
6:45-8:00	50% Orange gradient, 50% white light
9:01-10:00	50% white light gradually changing to 70% white light
10:01-12:00	70% white light gradually changing to 100% white light
12:00-14:00	100% white light
14:01-16:00	100% White light gradually changing to 70% white light
16:01-17:30	70% white light gradually changing to 50% white light
17:31-18:30	50% white light gradually changing to 10% orange-red
18:31-22:00	10% light blue, 20% dark blue Turn off at 10:00 p.m.



Please note: For the USA market, 3V CR2032 batteries are included.

Users in Europe, the United Kingdom, and other countries must purchase batteries for installation and use. Please note that if the battery is not included, the local time will default to 12:00. Therefore, when using the lights, please set the local time first.



SET Button (Actual local time setting, the program defaults to a 24-hour clock)

-Long press the “SET” button until the LED of the screen flashes, then press “-/+” button to set the actual local time for the hour or minute.

-Press it again to save the setting.

-Keep pressing briefly, the indicator light will flash, indicating that the customer can view the previously set brightness, the start time and end times of the timer, and the mode color by each pressing.



TIMER Set Button(DIY Timer setting to turn on the light or turn off the light)

First, select any color in MODE mode.

-Long press the “TIMER” button, and the “ON” indicator light turns on and flashes. Press the “-/+” button to set the light start timer, then press briefly to save the setting and to set the end timer through the “-/+” button, then save it. When both the “ON” indicator and the “OFF” indicator light on, the setting is in operation.

- Press the “TIMER” button briefly. Exiting the timer setting when both of the indicators are off.

For example:

First, select any color in MODE mode.

The light turns on at 8:00 and turns off at 16:00.

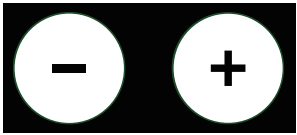
Tips ①: Long press the “TIMER” button, the “ON” indicator flashes, the “Hour” on-screen flash, press the “-/+” button to adjust the number 08. Press “TIMER” to save, then “Minute” number flash, press “-/+” button to number 16.

Tips ②: Keep pressing the “TIMER” button, The timer setting is completed if the number on the display screen remains unchanged. The “ON” or “OFF” indicator light will light up according to the local time, and the light will turn on at 8:00 and turns off at 16:00 as set daily.



MODE Button (9 individual colors for selection)

There are 9 numbers(1,2,3.....) colors you can select: 1/Full-spectrum white; 2/Red; 3/Blue; 4/Green; 5/Purple; 6/Orange;7/Cyan; 8/Yellow; 9/Color loop



“-” & “+” Button

- The button can adjust the brightness level from 10%, 20%100%.
- The button can adjust the number of timer setting.
- Long press one of these 2 buttons to quickly view the light changes in 24/7 mode.

5.ATTENTIONS

- ✓Please read the manual carefully before using it and follow all instructions.
- ✓Please keep the switch away from water, the switch is not waterproof.
- ✓Please keep the light away from flammable items.
- ✓Please unplug the power and contact the seller if the light is not working properly,
OPENING WILL VOID WARRANTY
- ✓Please unplug the power before maintenance.
- ✓Please remember that the temperature range for the light is 23°F~113°F(-5°C~45°C).

6.PACKING LIST

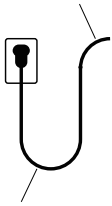
- 1× LED light
- 1× AC/DC power adapter
- 2× Extendable mental bracket
- 1× User manual

7.WARNING

To avoid possible electrical shock, do not immerse the switch in water. If the switch falls into the water, or otherwise becomes wet, do not touch it until you have unplugged it. Basic safety precautions should be observed including the following:

1. Read and follow this user manual strictly.
2. DANGER-To avoid possible electric shock, special care should be taken. For each of the following situations, do not attempt to repair yourself; return the light to an authorized service facility for service or discard the light.
 - A. Carefully examine the light after installation. It should not be plugged in if there is water on parts not intended to be wet.
 - B. Do not operate the light if it has a damaged cord or plug, if it is malfunctioning, or if it is dropped or damaged in any manner. The power cord of this light cannot be replaced, if the cord is damaged, the light should be discarded.
 - C. To avoid the possibility of the light plug getting wet, position aquarium stand and tank to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord connecting the light to the receptacle. The “drip loop” is the part of the cord below the level of the receptacle, or the connector. If an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, DO NOT unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the light. Then unplug and examine for the presence of water in the receptacle.

POWER CORD



DRIP LOOP

3. Close supervision is necessary when the light is used near children.
4. To avoid injury, do not touch moving or hot parts.
5. Make sure the light is securely installed before operating it.
6. Read and observe all the important notices on the light.
7. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
8. The light is intended FOR HOUSEHOLD USE ONLY.
9. SAVE THIS USER MANUAL.

8. ⚠️ **STATEMENT OF THE BUTTON CELL AND COIN BATTERY ONLY FOR UNITED STATES MARKETING. (Users in Europe and United Kingdom, and other countries is not include battery)**

⚠️ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH** of **CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



- a) The statement “Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.”
- b) The statement “Even used batteries may cause severe injury or death.”
- c) The statement “Call a local poison control center for treatment information.”

- d) A statement indicating the compatible battery type (CR2032).
- e) A statement indicating the nominal battery voltage (3V).
- f) The statement “Non-rechargeable batteries are not to be recharged.”
- g) The statement “Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.”
- h) The statement “Ensure the batteries are installed correctly according to polarity (+ and -).”
- i) The statement “Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.”
- j) The statement “Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.”
- k) The statement “Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.”

9 .DISPOSAL

Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product has to be disposed of at an authorized place for the recycling of electrical and electronic appliances rather than being disposed of together with the domestic waste. Collecting and recycling waste is a way of saving natural resources. So, please consult with your local seller to make sure the product is disposed of in an environmentally friendly way.



10 .CONTACT INFORMATION

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